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уач	.0	CENTRAL INTELLIGENCE GROUP	
		INTELLIGENCE REPORT	50X1-HUM
COU	NTRY	Germany/Russian Zone	
SURJ	ECT	Production and Research at the Siemens and Halske Works in Arnstadt (Thuringia) DIST. 27 February	1947
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I STAT	TE	WAR NAVY HISTIGS	50X1-HUM
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		is engaged in the development of iconoscopes for television, both for use in artificial light and daylight. Experiments are in progress with simple photo cells to achieve greater sensitivity of photo cathodes. These experiments cover Ag-Cs and Sb-Cs cells with photo cathodes for full light ("auffallendes Licht") and with others with a semi-transparent layer. These latter are for the construction of photo converters. The only real expert available at the factory is Professor Gobrecht, although a number of the former employees of Siemens, Fernseh G.m.b.H., and Obta (formerly Loewe Radio) are working there. too. Also a Dr. R. Gobrecht (sic)	50X1-HUM
	4.	Professor Gobrecht himself is also working on Braun tubes (normal cathode ray oscillographs) and particularly on the problem of the increased exploitation of light from their fluorescent screens.	
5. Some work is being carried out at Arnstadt on magnetrons. The aim is produce extremely short oscillations (high frequencies) by the format of the sum frequency of two magnetron circles. However, the departme engaged on this project is small and the man in charge does not appear be particularly competent.			
	6.	The laboratory equipment at Arnstadt is good and includes a number of "Pumpetande" /pump aggregate (series?)/ for evacuation of tubes with heating apparatus, provided with automatic temperature regulator, suitable for heating solid surfaces to remove adsorbed gases; an evaporato and a GH (sic) special apparatus for the study of flurescent crystals.	r;
	7.	Russian officers at Arnstadt include Lt. Col. Vasiliev, Lt. Col. Selishov, and Maj. Drushinin. The liaison officer at Berlin-Oberschöneweide is Maj. Tvorogov.	50X1-HUM
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